

MARSHALL STAR

Serving the Marshall Space Flight Center Community

Feb. 21, 2002

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Columbia to begin third decade in space with Feb. 28 liftoff

NASA news release

America's first Space Shuttle, Columbia, will return to orbit fresh from two years of work that have left it safer and more capable than ever before.

Columbia is set to launch no earlier than Feb. 28 at 5:48 a.m. CST on mission STS-109, pending review of data on the Space Shuttle's hydraulic pump attach bolts. The mission is dedicated to maintaining and enhancing the Hubble Space Telescope, the fourth such flight

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since its launch in 1990.

"This year will be as challenging, complex and exciting as any we have ever had," said Space Shuttle Program Manager Ron Dittmore. "We have more spacewalks planned in the next 12 months than we have ever done in a single year.

See Columbia on page 9

Susan Turner, Jeff Sexton named to top positions in NASA's Space Launch Initiative

Marshall Center news release

Susan Turner and Jeff Sexton have been named to top positions supporting NASA's Space Launch Initiative — an effort to develop and flight test key technologies for the next generation reusable launch vehicle — at the Marshall Center.

Turner is the new deputy manager for Flight Demonstration and Experiments Integration. Sexton will be the project manager of the X-37 technology demonstrator, a reusable spaceplane.

NASA's Space Launch Initiative (SLI) is designing space transportation systems that can fulfill civil and defense mission requirements, while developing the technologies needed to build and operate a second-generation reusable launch vehicle.

The Flight Demonstration and Experiments Integration Office is a technology component within the Second Generation Reusable Launch Vehicle Program, part of the Space Launch Initiative. Before a safer, more reliable and cost-effective new launch system can be built, selected hardware and software technologies must first be flight-tested.

Turner, a member of the Marshall team since 1986, was most



Turner



Sexton

recently project manager on the X-37. In 1998, she was named assistant director of Marshall's Propulsion Laboratory, where she led strategic planning efforts. In 1992, she was named chief of the Propulsion System Design Branch and led design efforts for the National Launch System and future reusable launch vehicles. She has a wide range of experience, including work on the Space Shuttle Solid Rocket Motor, the Inertial Upper Stage and the

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Forum panelists agree excellence is doing your best

by Debra Valine

Panelists at the “Defining Excellence” Leadership Forum Feb. 12, shared personal experiences of their roads to success and offered advice on what opportunities, tasks and experiences they feel increase an employee’s possibility of advancement.

The forum was part of the Marshall Center’s observance of Black History Month. Panelists were Shar Hendrick, manager of the Government and Community Relations Department; Angelia Walker, manager of the Safety, Reliability and Quality Assurance, Policy, Assessment and Integration Department; Wendell Colberg, assistant manager for the Materials, Processes and Manufacturing Department; James Wyckoff, technical management to Space Transportation Directorate’s Integration Office; Dr. Biliyar Bhat, team lead of the Metallurgy Research Team in the Materials, Processes and Manufacturing Department; and Dr. Don Frazier, research scientist in the Microgravity Science and Applications Department. Dr. Edward L. Jones of the Education Programs Department moderated the forum.

Center Director Art Stephenson told the forum, “Everyone has the same opportunities for advancement here at Marshall. Sometimes people think minorities only have a minority chance of getting promoted. That is not right thinking. I want to work to change that.”

Jones said the road to success has five basic tenets: set a goal; prepare; take acceptable risks; value people; and be persistent. Each panelist then reflected on his or her personal road to success and discussed excellence.

What is Excellence?

“Excellence starts with being prepared,” Frazier said. “But it also has to do with respecting others around you. You cannot achieve excellence without your colleagues. You have to be willing to listen and change direction.”

Bhat used Marshall’s core values to explain his views on excellence. “Excellence means doing your best and then improving on it,” he said. “In the work environment, you work to produce your best possible service or product. You have to satisfy your customer. If we do not all believe in excellence, the organization cannot be excellent.”

To Wyckoff, “excellence is a burning desire to get it right. It wakes you up at night. It is a yearning to get it right no matter what it takes. Excellence is pervasive. It is not something you can put down.”

“Excellence is a state in which we are able to perform whatever it is we are going to do,” Colberg said. “It is a state where we are accountable for our actions and our behavior — a state where we strive to achieve our highest level of performance. Excellence is really more than a core value. It is a pillar upon which Marshall sits.”

“Excellence is being the best or doing the best,” Walker said. “Never settle for being average or good enough.”

“Excellence is elusive because the bar is always rising,” Hendrick said. “The people who are truly excellent are the ones who are driven to raise the bar. Excellence is the milestones you achieve

on the way to meeting your goal. Excellence is a world-class product.”

How do you measure excellence?

“Because excellence is doing the best I can do, if I can walk away knowing I gave it my best shot, then my performance was excellent,” Walker said.

“The metric is built in,” Frazier said. “If the job is not successful, someone will tell you.”

“I leave it up to my boss,” Colberg said. “I expect feedback as to whether or not I performed my task as expected.”

“Measure excellence based on customer satisfaction. You can see how much your customer is satisfied with your work,” Bhat said.

Opportunities at Marshall

The panelists agreed there are many opportunities for advancement at Marshall. One key to advancement is having a mentor.

“There are times when you are given challenges that you can either refuse or accept. It may be a little beyond your current store of knowledge and capabilities. You might feel limited,” Frazier said. “Reach out and take on the challenge.”

See Forum on page 3



Hendrick



Walker



Colberg



Wyckoff



Bhat



Frazier

Forum

Continued from page 2

Don't be afraid to stretch yourself beyond what you think your abilities are."

"Take advantage of opportunities presented to you," Bhat said. "There are lots of opportunities at the Center, and you just need to make use of them. Advancement comes from doing what you are doing well. Have a mentor who can guide you to fulfilling your goals and vision." He recommended employees dedicate themselves to lifelong study. If opportunity knocks, be prepared to open the door. Take initiative. Have a positive attitude — positive attitudes are contagious. Work hard and be patient. "Sometimes it takes a little bit of luck," he said.

Frazier added, "If your objective is to advance, you need to understand your environment. Once you understand that, take additional training, additional tasks — things that are outside your primary discipline. Seek a mentor, seek advice."

"Have a checklist," Colberg said. "Take the time to plan and set career goals. Discuss them with your supervisor and your family. Include personal, academic and professional goals. You also need a backup plan." Colberg suggested employees create their own opportunities by looking for tasks and assignments that add to the organization. One way to find these tasks and assignments is through open communication, he said. "Keep in mind that not all the work we do has to be in our own technical field. Do volunteer work, serve as a panelist in a discussion, seek a tour of duty at Headquarters or another

NASA organization. Take advantage of the enormous training opportunities at Marshall."

"Before you start looking for advancement, make sure you are good at what you do right where you are," Walker said. "Have self-confidence. Believe in yourself. Learn from successes and failures. Associate with people you want to be like. Have mentors. Have high positive energy derived from a career and passionate personal vision. Be selective in your training tasks. Don't just take classes to be taking classes. Take a tour in a resident office. Make things happen for you, do not let things happen to you."

"Know where you are," said Hendrick. "Learn your environment. Learn about the task at hand. Commit yourself to lifelong learning — not only in the professional life, but in our personal lives as well. Sometimes try to surprise yourself. Take on tasks you never thought you would enjoy. Always challenge yourself."

Education

To what degree do you think advanced degrees play into your success at Marshall?

"Everything," said Frazier. "What I wanted to do — space science — almost required a doctorate degree."

"Advanced degrees depend on what kind of work you do," Bhat said. "It is not limited in anyway. It is your performance after the schooling. You can build a career with the training opportunities



Jones

available here at Marshall."

"I spent two years getting my advanced degree, and did not feel it added anything to my career," Colberg said. "And then I changed jobs and went back to school again, and it really enhanced my career. Waiting gives you the opportunity to focus on the areas you are interested in."

"The real beauty of a graduate degree is the interaction you have with your professors," Hendrick said. "I think it is something that offers a great opportunity."

Are there habits in your personal life that have added to your leadership qualities?

"Constant prayer has been my most valuable habit," Walker said. "Having strong faith."

"Have a good spiritual life," Frazier said. "Pay attention to what is going on in your family. That carries over into how I view my work life."

The writer, employed by ASRI, is the Marshall Star editor.

Space Shuttle STS-108 crew visits Marshall Center



Crew members of the Space Shuttle Endeavour STS-108 flight, which carried 6,000 American flags into space to honor heroes and families of Sept. 11, visited the Marshall Center Feb. 13.

The December 2001 mission carried the Expedition Four crew and biotechnology experiments, managed by the Marshall Center, to the International Space Station and returned the Expedition

Three crew.

Commander Dominic L. Gorie; Pilot Mark E. Kelly; and Mission Specialist Linda M. Godwin and Daniel M. Tani presented mission highlights in Morris Auditorium and presented "Silver Snoopy" awards to Marshall employees who contributed to the success of the Space Shuttle or International Space Station programs.



STS-108 astronaut Daniel Tani, left, presents a Silver Snoopy Award to Cynthia Smith of the Agency Core Financial Office.



Flight Projects Directorate employees from left, Shawn Ragan; Sam Digesu; Terry Erskine; Michael Shell; Renee Cox; and Susan Best receive awards from astronaut Linda Goodwin, center.



Engineering Directorate employees from left, Ross Evans, Computer Sciences Corp.; Lisa Blue; Larry Taorming; and Jerry Baldwin receive awards from mission commander Dominic Gorie, second from right.



Peggy Hueter of the Engineering Directorate's Business Office, receives an award from astronaut Mark Kelly.

Photos by Marshall's Imaging Services Department



Astronaut Linda Goodwin, center, presents Silver Snoopy Awards to Lynnette Madison, left, of Ai Signal Research Inc., and Patricia Schultz of the Employee and Organizational Development Department.



Gray Marsee, left, of the Chief Counsel's Office, accepts his Silver Snoopy Award from STS-108 astronaut Mark Kelly.



Engineering Directorate employees from left, John Allen; Scott Tillery; and Tina Malone receive Silver Snoopy Awards from STS-108 Commander Dominic Gorie, second from left.



STS-108 astronaut Daniel Tani presents a Silver Snoopy Award to Dominique Kreger of Computer Sciences Corp.



Mark Kelly, center, presents Silver Snoopy Awards to Jeppy Clayton, left, and Edwin Ricks of the Structures, Mechanics and Thermal Department.



Robert Rutherford, left, Elizabeth Sudderth, and Melvin Scruggs, right, of the Center Operations Directorate, accept awards from Daniel Tani.



28 Marshall team members to view STS-109 launch

When seven astronauts climb aboard Columbia Feb. 28 to embark on the 11-day STS-109 mission to upgrade and enhance the 12-year-old Hubble Space Telescope, 28 Marshall Center employees will be there to watch.

The 28 Space Flight Awareness honorees are being honored for their contributions to the space program. The group will be hosted by NASA at Kennedy Space Center in Florida.



Peter Cobun,
Ai Signal Research Inc.



Nathan Coffee, EG&G



Samuel Davis, ED36



Melissa Emery,
Hernandez Engineering



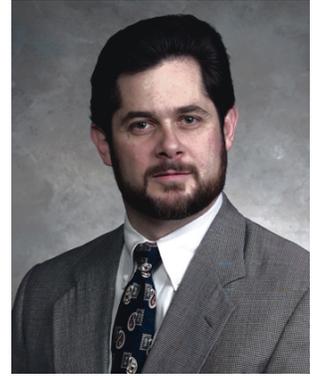
Oscar Ford,
AJT & Associates



Rhega Gordon, FD11



Steven Holmes, MP31



Scott Howell, Teledyne
Brown Engineering



Chieko Inman, AD32



Lorna Jackson, ED15



Kim Jeffreys, RS50



Elizabeth Kitchen, SD42



Linda Lang, QS10



Young Lee, TD63



Matthew McCollum, ED44



Todd Mullins, SD11



Ed Nelson, Pratt & Whitney



William Pannell III, TD10



Kevin Peterson, MP51



Kathleen Roeske, Computer Systems Technology



Faye Shaw, Sverdrup Technology



Richard Sheppard, MP71



Judy Simonds, SD01



David Smith, UP10



Judy Southard, FD22



James Stephens, ED26



Angela Storey, CD40



Robert Whiteley, PS40

New position description module to standardize operations

Human Resources managers are busy preparing to launch the second of three human resource software modules that will help streamline and standardize operations throughout NASA and at Marshall.

"The Position Description Management Module is part of a suite of human resources enhancements that all fall under the Integrated Financial Management umbrella," said Danny Hightower, manager of the Human Resources Department.

"The first module was NASA Stars, the online résumé management program. This Position Description Management (PDM) Module will be introduced at Marshall in September. And the core human resources/payroll automation module is scheduled for rollout in 2004."

The Position Description Management Module will enable the rapid preparation and classification of position descriptions and the automated generation of associated

documents. Managers will be able to use a Web site to select position descriptions from a library or build position descriptions by starting with a predetermined grade level, or by identifying duties and allowing the system to determine the series and grade.

"This process will give supervisors more control of position descriptions and standardize the position description process," Hightower said.

"Just as we improved the staffing and recruiting process with NASA Stars, we will be automating and improving the position classification process with PDM," Hightower said. "This is another part of an overall human resources strategy to enhance service to our customers."

While developing the Position Description Management Automation Project, NASA recognized the need for a comprehensive review of the entire automated job classification system.

"Within this system there are several

occupational groups, broken down by specialties, based on the nature of the work being performed," Hightower said. "These specialties and their definitions are being updated to reflect new or emerging work, not work currently represented in the existing specialties, and to accurately describe existing specialty definitions."

One of these groups, aerospace technology, covers professional engineering, scientific or other technical positions engaged in professional research, development, operations and related work pertaining to the basic NASA mission.

"Many NASA employees in positions classified primarily under the aerospace technology group either already have or will receive a Notification of Personnel Action," Hightower said. "These changes will in no way affect grade levels, and no employee's pay will be adversely affected. The changes are a result of a review of the system under which duties are classified."

Job Opportunities

Announcement No. MS02N0029: AST, Technical Management, GS-0801-14, Space Transportation Directorate, Second Generation RLV Program Office. Closes March 4.

Announcement No. MS02N0030: AST, Technical Management, GS-0801-15, Space Transportation Directorate, Second Generation RLV Program Office. Closes March 4.

Obituaries



Provence

Provence, Charles R., 62, of Huntsville, died Feb. 12. He worked as a human resources specialist in Marshall's Human Resources Department at the time of his death. He had worked as a federal employee — at NASA and the Department of Defense — for more than 42 years. He is survived by his wife, Lennis D. Provence; son Gregory Provence; daughter Michelle Russell of Marshall's Flight Projects Directorate; and his mother, Leona Walker.

Allen, Albert R., 65, of Huntsville, died Jan. 2. He retired from Marshall in 1985 where he worked as a communications specialist. He is survived by his wife, Geneene S. Allen, who works in Marshall's Engineering Directorate.

Campbell, Laurence B. Sr., 90, of Athens, died Feb. 5. He retired from Marshall in 1979 where he worked as a printing specialist.

SLI

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International Space Station.

Prior to joining NASA, Turner worked for the Directed Energy Directorate of the U.S. Army Missile Command at Redstone Arsenal.

A native of Huntsville, Turner holds a bachelor's degree in chemical engineering from Auburn University and a master's in engineering from the University of Alabama in Huntsville. She is completing her dissertation for a doctorate in industrial and systems engineering, and engineering management.

Sexton, who joined NASA in 1986, most recently served as Non-Advocate Review manager in the Second Generation Reusable Launch Vehicle Program's Integration and Risk Management Office. Prior to that, he directed the management of the Small Payload Access to Space Experiment (SPASE) Project, and was deputy manager of the X-34 Project.

Sexton also has served as Program Robotics Analysis and Integration manager and Robotic Workstation project manager within the International Space Station at Johnson Space Center in Houston. At Marshall, he was Fastrac Engine operations and maintenance test team leader and Hubble Space Telescope Deployment and Repair Mission lead test engineer for the Neutral Buoyancy.

A native of Austin, Ind., Sexton holds a bachelor's degree in mechanical engineering from Purdue University in West Lafayette, Ind. He now lives in Huntsville.

40th anniversary of first American to orbit Earth marked

by Bob Jaques

Forty years ago, on Feb. 20, 1962, Marine Col. John Glenn became the first American to orbit the Earth in his Mercury space-capsule Friendship 7.

To mark the anniversary of his historic flight, former U.S. Sen. Glenn of Ohio and NASA Administrator Sean O'Keefe talked to the Expedition Four crew, which is currently orbiting the Earth aboard the International Space Station.

Glenn was launched from Cape Canaveral in a Mercury-Atlas rocket, which was more powerful than the Mercury-Redstone that propelled Mercury astronauts Alan Shepard and Gus Grissom in their sub-orbital flights.

Glenn made three successful orbits with a velocity of approximately 17,000 mph. His flight lasted four hours and 55 minutes.

Glenn experienced a problem after his first orbit when a thruster apparently became clogged and he was forced to abandon his automatic control system. Then he had indications his heat shield and landing bag were loose which meant there was a real possibility of incineration during re-entry. These indications were erroneous, and he manually controlled the spacecraft to a successful landing.

Glenn's landing after his orbits around



File photo

Astronaut John H. Glenn Jr. gets into his Friendship 7 spacecraft prior to launch operations Feb. 20, 1962.

the Earth made him the most celebrated aviator since Charles Lindbergh.

The United States Postal Service made plans to issue a postage stamp honoring Project Mercury and to release the stamp to the public to coincide with Glenn's historic flight. This was the first time the Post Office issued a stamp to commemorate an event the day of that event.

Glenn, retired from the Marines, became a successful businessman, presidential candidate, and served in the

U.S. Senate for 25 years. He again made news when he returned to space Oct. 29, 1998, as a mission specialist on STS-95. At 77 years old, he became the oldest person to fly in space.

His Mercury capsule Friendship 7 is prominently displayed in the National Aviation and Space Museum in Washington, D.C.

The writer, employed by ASRI, is a Marshall Center historian.

Columbia

Continued from page 1

We are going to fly diverse missions, dedicated to satellite maintenance, research and Space Station assembly, showcasing capabilities unique in the world. The Shuttle team has done a great job in preparing for this mission. Returning Columbia to orbit to improve the Hubble Space Telescope is a fitting start to what will be a busy and vital year in space."

A maintenance and upgrade period completed last year installed a new "glass cockpit" in Columbia, increased its cargo capacity, strengthened its crew cabin and enhanced the protection of its cooling system from orbital debris.

Columbia's new cockpit replaced mechanical instruments with 11 full-color, flat-panel displays. The new cockpit is lighter, uses less electricity and sets the stage for the next generation of improvements — a "smart cockpit" under development that will make the cabin even more user-friendly.

Columbia is the second of NASA's four Space Shuttles to be

fitted with the new "glass cockpit." Technicians also performed comprehensive inspections of Columbia's more than 200 miles of electrical wiring, installing protection to prevent future damage in high-traffic areas. Intensive structural inspection of Columbia also was performed, as well as 133 modifications and upgrades.

Columbia will fly under the command of Scott Altman (Cmdr., USN). Duane Carey (Lt. Col., USAF) will serve as pilot. Mission specialists will be John Grunsfeld, Nancy Currie (Lt. Col., USA), Richard Linnehan, James Newman and Michael Massimino. Grunsfeld, Linnehan, Newman and Massimino will work in alternating teams of two to perform the five planned spacewalks.

Columbia's flight is scheduled to end with landing back at the Kennedy Space Center on March 11. STS-109 marks the 27th mission for Columbia and the 108th in Shuttle program history.

Energy tip

Maintaining systems helps keep heating and cooling costs under control

Heating and cooling a home typically accounts for about 44 percent of the utility bill. What's more, U.S. heating and cooling systems emit more than half a billion tons of carbon dioxide each year, contributing to global warming, and they generate large amounts of sulfur dioxide and nitrogen oxides, chief ingredients of acid rain.

Setting thermostats low in the winter and high in the summer can significantly reduce energy costs, but it's also important to maintain heating and cooling systems.

Clean or replace filters on furnaces once a month or as needed, and clean warm-air registers, baseboard heaters and radiators periodically, making sure they're not blocked by furniture, carpeting or drapes.

Also, use kitchen and bathroom fans wisely; in just one hour, these fans can pull out a houseful of warmed or cooled air.

For more information on other ways to save energy at home, visit: http://www.eren.doe.gov/energy_savers/.

If you have an energy tip that you would like to share with the "Marshall Star" readers, send it to:

cedreck.davis@msfc.nasa.gov
or juergen.haukohl@msfc.nasa.gov

Black History Month events

In February, the Marshall Center is marking Black History Month with a series of programs and events intended to unite NASA employees with Huntsville-area industry leaders and young people.

This year's History Month theme, "Defining Excellence: African-American Leadership in the New Millennium," embraces the roles and responsibilities of African-Americans in the workplace, the community and the nation.

- Spider Martin Civil Rights Photo Exhibit: Open daily through Feb. 27, Bldg. 4200 lobby. In the 1960s, Alabama photojournalist Spider Martin captured images of the American civil rights movement. His national touring exhibit of still photos, taken between 1965-1968, will be on view for NASA employees and visitors to the Center.

- Black History Month closing ceremonies: 10-11:30 a.m., Feb. 27, Bldg. 4200, Morris Auditorium. Guest speaker is Dr. Julian Earls, deputy director, Glenn Research Center in Cleveland. Local educators and organizations will be awarded for contributions to science education and leadership. The event is open to the public.

- Unification Activity: 9:30-11:30 a.m., Feb. 28, Sparkman Center's Bob Jones Auditorium, Redstone Arsenal. The Marshall Center will participate in the 7th annual "Festival of African-American Music/Art/Portrayals," hosted by Redstone Arsenal. The event is open to NASA and Arsenal employees.

New structures for space antennas, telescopes and solar sails under development

Dr. Lisa Hill, left, of TRW and Dr. Greg Carman of the University of California at Los Angeles recently presented some results, including product samples, of a project they have been doing under NASA's Gossamer Spacecraft Exploratory Research and Technology Program.

The goal of their program is to develop advanced tech-

nologies for extremely lightweight planar structures (<0.1 kg/m²) for space antennas, telescopes and solar sails.

TRW was awarded a six-month study to demonstrate the feasibility of their innovation, a self-deploying, compositionally graded shape memory film. The fabrication process for these shape-memory films allows tailoring of the actuation temperature and can produce a two-way deformation effect. When heated above its actuation temperature, the film deforms into its memorized shape, and when cooled, the film returns to its low temperature shape. The deploying properties and surface figure of these films will be characterized in the six-month Phase I work.

If successful, a two-year Phase II program will exploit the best film from Phase I to develop, build and demonstrate a one-meter shape memory film-deploying article. Roy

Young of the Science Directorate's Space Optics Manufacturing Technology Center is the gossamer program coordinator of more than a dozen such projects managed by the Marshall Center and Edward Montgomery, also of the Space Optics Manufacturing Technology Center, is Contracting Officer Technical Representative for the TRW effort.



Center Announcements

Marshall Association meets

Dr. Julian Earls, deputy director for Operations at the Glenn Research Center in Cleveland, Ohio, will present "Leadership in the new NASA" at the Feb. 27 Marshall Association meeting. The meeting will begin shortly after 11:30 a.m. at the Redstone Officers' and Civilians' Club. Lunch costs \$8, payable at the door. Make reservations by 3 p.m. Feb. 22 by calling Cliff Bailey at 544-5482 or sending him an e-mail. The Marshall Association membership drive is under way. Annual membership dues are \$25. Mail membership dues — checks only — to the new treasurer, Cliff Bailey/AD02.

Quit smoking online

All Marshall Center employees, contractors and family members (age 18+) who smoke and want to stop are eligible for free access to the Internet-based 1-2-3 Smokefree Program developed by the Oregon Center for Applied Science (ORCAS). This program recently was tested by real-world smokers and found to be very effective. In the evaluation, in which Marshall employees participated, ORCAS found that the quit-smoking rate among people who used the program was 2.5 times higher when compared to people who had not yet used the program. To access the program, go to www.quitcigs.org Use the password: Marshall. The program will be available through Aug. 15. If you have questions after looking at the Web site, please call ORCAS toll-free at 1-866-730-3211 or send an e-mail to quitcigs@quitcigs.org. The Smokefree Program was funded by the National Cancer Institute.

Earth Day logo contest

The Marshall recycling committee invites all Marshall employees and onsite contractors to participate in the 2002 Earth Day logo contest. The theme is, "It's Hard to Stay Green." Submissions must be original artwork on 8.5 by 11-inch white paper and must have no

more than four colors. Each employee may enter up to three designs, with the winner of the contest receiving \$50 at the tree planting ceremony at 10 a.m. April 18 at the Wellness Center, Bldg. 4315. The winner's design will be depicted on the 2002 Earth Day T-shirts. Send entries — identified with name, organization code and phone number on the back — to Shirley Novy Shue/PS31-G, Bldg. 4202, room 220A, or Jeanette Swearingen/PS52-Q, Bldg. 4203, room 3146, by close of business March 1. Entries will not be accepted after the closing date.

Auction sale

An auction of approximately 140 lots of miscellaneous computer equipment, test equipment and furniture will be held beginning at 9 a.m. Feb. 26 at Intergraph Bldg. 21 at 470 Dunlop Blvd. in Huntsville. Pre-screening of the items will be from 9 a.m.-3 p.m. Feb. 25 and 7-8:45 a.m. Feb. 26. For details, call Greg Tate at 544-1774, the sales hotline at 544-4667 or visit the General Services Administration Web site at: www.gsaauctions.gov

Upcoming classes

Zelda by Herself

Sylvia Thomas and Dr. Martha Atkinson of Huntsville's Museum of Art will show slides of Zelda Fitzgerald and discuss the life of this famous flapper at a lunch and learn at 11 a.m. Feb. 28 in Morris Auditorium. A time for discussion and questions will be allowed.

For a complete list of training opportunities at the Marshall Center, visit the "Inside Marshall" Web site.

Clubs and Meetings

Shuttle Buddies meet

The Shuttle Buddies will meet for breakfast at 9 a.m. Feb. 25 at Mullins Restaurant on Andrew Jackson Way. For more information, call Deemer Self at 881-7757 or Gail Wynn at 852-8189.

Miscellaneous

Easter Egg Hunt volunteers

Volunteers are needed for Marshall's annual Easter Egg Hunt being held at 2 p.m. March 17 at the picnic area. To volunteer, call Gena Marsh at 544-0160.

NASA Exchange

Softball meeting

There will be a Marshall Exchange softball organizational meeting on at 11:15 a.m. Feb. 27 in room 117 of the new Wellness Center.

Tennis Club

The MARS Tennis Club 2002 membership drive runs through March 29. NASA employees, retirees, on-site contractors and family members are eligible for membership. Membership includes use of the MARS Tennis Club Courts (four lighted courts surfaced with artificial turf and sand), participation in tournaments and club activities, and eligibility for the singles and doubles leagues. To join the MARS Tennis Club, or for more information, call Amy Hemken at 544-7097. Also, visit the Exchange Clubs Website at: <http://inside.msfc.nasa.gov/MARS/clubs.html>.

Redstone Arsenal

Art Auction

Redstone Arsenal's Officer and Civilian Women's Club will hold an art auction March 2 at the Officers' and Civilians' Club. Preview of the artwork begins at 5:30 p.m. with the auction at 7. Tickets cost \$8 and are available at the Officers' and Civilians' Club. Special pre-sale locations include PEO Aviation main entrance Feb. 21; Sparkman cafeteria Feb. 25-26; and the PEO Tactical Missiles north lobby Feb. 27-28. Tickets also will be available at the door the evening of the auction.

Employee Ads

Miscellaneous

- ★ Optimus CD8150 5-Disc changer & 26W speakers, \$100; encyclopedias & dictionaries, \$20; Sony VAIO computer & monitor, and Lexmark printer, \$600. 772-9483
- ★ Little Tykes toddler racecar bed w/ mattress, \$70. 961-9441
- ★ Lift chair, 2 yr. old, \$75. 837-2792
- ★ Three swag/jabot window treatments, new, pewter damask with revealed powder blue lining. 882-1097
- ★ Men's K2 Reflex softboot skates, size 9, black & red, new in box \$75; Boy's Bauer Impact ice hockey skates, size 12, \$35; Boy's Jordan basketball shoes, size 2.5, \$15. 533-5942
- ★ New whitewall General tire on GM rim, (Ameri-Way AS P225/75R15), \$50 obo. 852-0928
- ★ Limestone window sills and headers. 882-1097
- ★ Mount Vernon reproduction tea table, made by Hickory Chair Company, \$900. 882-1097
- ★ Two 42" white bathroom vanities; Eljer lavatories w/Delta single handle chrome faucet. (256) 652-1594
- ★ Iomega external zip drive, 250MB, parallel connection, \$110; Adobe Illustrator, 8.0 upgrade for PC, \$50; MicroTec scanner, \$45; prices negotiable. (256) 778-8893 after 5 p.m.
- ★ Steel/glass patio doors, 6', 1/2HP in-sink-erator garbage disposal. (256) 259-1834
- ★ EPS Ensoniq music keyboard with stand, \$200; Panasonic KP2123 Dot Matrix printer, \$20. 509-0196
- ★ Ferret, female, one-year old, vaccinations current, cage included, \$125. (256) 430-0380

- ★ Roll-top desk, 48" wide; China, Oxford by Blue Heaven, 12 place settings. 232-8709
- ★ Homelite rear engine riding lawnmower, 10HP, body in fair condition, \$150 obo. 431-0186
- ★ Broyhill china cabinet, 77"Hx66"Wx17"D, with 4-door bottom, \$425; antique table and chairs, \$400. 837-7916
- ★ TurboTax 2002, Federal, \$7; PC games: Warlords Battle Cry; Unreal; Dark Stone; \$5 each. 828-9651
- ★ Rokenbok starter set, elevator, monorail, includes two vehicles, monorail track, extra controller, pieces, \$150. 772-3303
- ★ Hedstrom 5-position metal swing set; swing, lawn swing, trapeze bar, seesaw, \$60. 895-0148
- ★ Heinrich china cake plate, white, \$35; antique crystal bowl with engraved edelweiss, \$20. 882-6832
- ★ Minolta Maxxum 3000i, 35mm, autofocus camera plus 80-200mm and 28mmF2.8 lens, carrying case, \$150. 772-3303
- ★ Protecto truck bedliner, fits 89-98 Chev./GMC full-size pickup, \$20 obo installed; motorcycle helmet, full-face, small, red/gray design, \$30 obo. 864-0465
- ★ Wrought iron and glass coffee table and end table, \$100 for both. 837-5380
- ★ IBM 760 Thinkpad notebook, P166, 3gig HD, 48Mg RAM, external CD ROM, Win 98, case, \$305. 682-5181
- ★ Color printer, HP722-C, HP Scan-jet 4200 scanner, not compliant with Windows XP, \$30 each. 658-2471
- ★ Chest type freezer, top opening, \$50. 864-0465
- ★ Longaberger baskets, below Bentley, some JWs. (256) 859-4833
- ★ Disc harrow, 14', \$950. 852-5446

- ★ Kenmore charcoal grill, cast iron grates, 21- x 14-inch cooking surface, \$10. 837-2386
- ★ Frost-free refrigerator, almond, new thermostat. \$80. Call 464-9055 and leave a message.

Vehicles

- ★ 1998 Dodge Grand Caravan, extended version with two slide doors, \$9,900. 233-6197/564-6225 beeper
- ★ 1992 Plymouth Voyager SE, 3.3L, V-6, ABS, power windows/locks, two child seats, 126K miles, \$2,200. 881-5522
- ★ 1988 Chevy Silverado, long wheel-base, extended cab truck, 350/V-8, \$2,800. 961-2237/880-1555
- ★ 2002 Jeep Liberty Limited, blue, cloth, 8K miles, \$22,000. 837-1095
- ★ 1993 Dodge Grand Caravan SE, one-owner, service records available, \$3,800. 895-9520
- ★ 1991 Honda Civic LX, 165K miles, brown, \$2,600. (256) 883-9648

Found

- ★ Leather hat, Bldg. 4200 area; bracelet, Bldg. 4200 parking lot; reading glasses, Bldg. 4200 executive parking lot; ladies scarf, Bldg. 4200 parking lot; pendant, Bldg. 4612 area. Call 544-4891 to claim/identify

Wanted

- ★ To buy small "dorm size" refrigerator. 880-6267
- ★ Battery for a Nokia 5100 Series cell phone. 883-2757
- ★ Aquarium stand w/cabinet, 29 gallon. 961-9427

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